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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.     | CONFIRMATION NO. |
|---|-------------|----------------------|-------------------------|------------------|
| 09/672,328  | 09/29/2000  | James A. Belmont     | 99104CON                | 1547             |
| 7590  | 10/22/2003  |                      | EXAMINER                |                  |
| Michelle B Lando Esq<br>Cabot Corporation<br>Law Department<br>157 Concord Road<br>Billerica, MA 01821-7001 |             |                      | OH, TAYLOR V            |                  |
|   |             |                      | ART UNIT                | PAPER NUMBER     |
|   |             |                      | 1625                    |                  |
|   |             |                      | DATE MAILED: 10/22/2003 | 15               |

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                  |                   |
|------------------------------|------------------|-------------------|
| <b>Office Action Summary</b> | Application No.  | Applicant(s)      |
|                              | 09/672,328       | BELMONT, JAMES A. |
|                              | Examiner         | Art Unit          |
|                              | Taylor Victor Oh | 1625              |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 8/12/2003.

2a) This action is **FINAL**.      2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-31 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1 and 2 is/are rejected.

7) Claim(s) 3-31 is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

#### Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.

4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.

5) Notice of Informal Patent Application (PTO-152)

6) Other: \_\_\_\_\_.

***Final Rejection***

**The Status of Claims**

Claims 1-31 are pending.

Claims 1-31 have been rejected.

Claims 3-31 have been objected.

**Claim Rejections-35 USC 112**

1. Applicants' argument filed 8/12/2003 have been fully considered but they are not persuasive.

Under 35 USC 112, first paragraph, the rejection of claim 1 has been maintained due to applicants' failure to modify in the amendment. However, under 35 USC 112, second paragraph, the rejection of claims 23, 25, 29 and 31 has been withdrawn due to applicants' convincing arguments in the amendment.

Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. A phrase "one type of non-ionic group" is recited. However, this expression is vague and indefinite. The word "type" in "one type of non-ionic group" is unspecified as to what type of non-ionic group might be involved in the modified pigment. Therefore, an appropriate correction is required.

**Claim Rejections-35 USC 103**

2. The rejection of Claims 1-4, 6-7 and 20-31 under 35 U.S.C. 103(a) as being unpatentable over Adams et al (US 5,698,016) in view of Kato et al (US 5,731,115) has been withdrawn due to applicants' convincing argument made in the amendment.

Claims 3-31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

**In Response to the Argument**

3. The applicants argue the following issues:

1. the listed classes of pigments and organic ionic groups and amphiphilic counterion groups described throughout the specification have been sufficient enough to overcome the enablement rejection made by the skilled artisan in the art.

The applicants' argument have been noted, but these arguments are not persuasive.

First, with regard to the first argument, the Examiner has noted applicants'

argument. However, on contrary to applicants' assertion, in the instant case, the claim encompasses any pigments and organic ionic groups and amphiphilic counterion groups. However, for example, the specification provide only 6 particular examples to represent the claimed invention of numerous modified pigments; applicants have merely listed the groups of pigments in the specification which were invented by other inventors. This does not give the current inventors a right to own all the possible pigments known in the art. Those examples can not be the representatives of the entire modified pigments. Thus, the specification herein have failed to provide sufficient working examples to support the claimed modified pigments and the method of making them.

Therefore, the rejection is maintained.

#### Conclusion

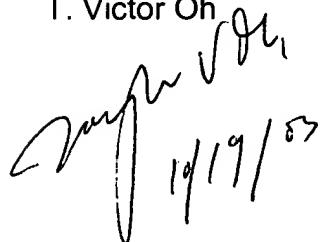
**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to T. Victor Oh whose telephone number is (703) 305-0809. The examiner can normally be reached on Monday through Friday from 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alan Rotman , can be reached on (703) 308-4698. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-4556.

T. Victor Oh

  
10/19/87



ALAN L. ROTMAN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 1600